

Chromosome numbers in Western Australian plants, II

by G. J. Keighery

Kings Park and Botanic Garden, West Perth, W.A. 6005

Manuscript received 21 September 1982; accepted 22 February 1983

Abstract

Chromosome numbers for 76 species are given. The counts on *Cheiranthra* ($n = 12$), *Halosarcia* ($n = 9$), *Pityrodia* ($n = 14$), *Maireana* ($n = 9$), *Cypselocarpus* ($n = 14$) and *Phlebocarya* ($n = 7$) are first records for these genera.

Introduction

This paper documents chromosome numbers for 76 species of flowering plants from Western Australia. These are nearly all new records for these species.

Results

Chromosome numbers, details of collection localities and vouchers are given in Table 1. Abbreviations are as given in Keighery (1978). Vouchers are deposited in Kings Park Herbarium and/or in PERTH.

Materials and methods

These are the same as outlined in Keighery (1978).

Reference

Keighery, G. J. (1978).—Chromosome numbers in Western Australian plants, I. *Roy. Soc. West. Aust.*, 60: 105–106.

Table 1

Miscellaneous species counted

Taxon	n	2n	Locality	Voucher
MONOCOTYLEDONAE				
JUNCAGINACEAE				
<i>Triglochin niniutissina</i> F. Muell.	14	....	Cannington	GK 1277
COMMELINACEAE				
<i>Cartonema philyroides</i> F. Muell.	12	....	12 km N. Port Gregory	GK 1766
HAEMODORACEAE				
<i>Phlebocarya ciliata</i> R. Br.	7	....	10.2 km N. Walpole	GK 679
<i>P. ciliata</i> R. Br.	7	....	5 km S. Carbanup River Store	GK 691
<i>P. filifolia</i> (F. Muell.)	7	....	5 km S.E. of Badgingarra	GK 2552
DICOTYLEDONAE				
PROTEACEAE				
<i>Adenanthos cuneata</i> Labill.	13	....	Gnowangerup Shire Boundary on Ravensthorpe Road	GK 229
<i>A. forrestii</i> F. Muell.	13	....	Twilight Cove	GK 232
<i>A. gracilipes</i> A. S. George	13	....	32° 33'S, 120° 20'E	GK 1513
<i>A. obovata</i> Labill.	13	....	7 km S. Collie	GK 198
<i>A. oreophila</i> Nelson	13	....	Mt. Ragged	GK 266
<i>A. sericea</i> Nelson ssp. <i>sphalma</i> Nelson	13	....	Hellfire Bay	GK 474
<i>Grevillea bipinnatifida</i> R. Br.	10	....	Welshpool Road	GK 1980
<i>G. pterosperma</i> F. Muell.	10	....	2 km W. Mt. Hampton	GK 23
<i>G. sp. nov.</i>	10	....	Duladgin Rock	GK 1773
<i>Hakea coriacea</i> Maconochie	10	....	2 km W. Mt. Hampton	GK 23, a
<i>Persoonia angustiflora</i> Benth.	7	....	10 km N. Mt. Holland	GK 1078
<i>P. striata</i> R. Br.	7	....	3 km W. Tamin	GK 1984
<i>P. teretifolia</i> R. Br.	7	....	32° 33'S, 120° 20'E	GK 1512
<i>P. sp.</i>	7	....	7 km N. Howatharra	GK 185
CHENOPODIACEAE				
<i>Atriplex bunburyana</i> F. Muell.	9	....	Twilight Cove	GK 228
<i>Sclerolaena drummondii</i> (Benth.) Domin	9	....	24 km S. Yellowdine	GK 14
<i>Chenopodium pseudo-microphyllum</i> Aellen	9	....	14 km Ravensthorpe	GK 662
<i>Halosarcia lylei</i> (Ewart et White) P. G. Wilson	9	....	Mortlock River, Meckering	GK 390
<i>Halosarcia lepidosperma</i> P. G. Wilson	18	....	Pallinup River	GK 671
<i>Maireana sclerolaenoides</i> (F. Muell.) P. G. Wilson	9	....	Karolin Rock	GK 11
<i>M. trichoptera</i> (F. Muell.) P. G. Wilson	9	....	Karolin Rock	GK 12
<i>Rhagodia preissii</i> Moq.	9	....	14 km W. Ravensthorpe	GK 663

Taxon	n	2n	Locality	Voucher
GYROSTEMONACEAE				
<i>Codonocarpus cotonifolius</i> Desf.	14	....	2 km N. Millstream	GK 759
<i>Cypselocarpus haloragoides</i> F. Muell.	14	....	Bremer Bay	GK 846
<i>Gyrostemon ramulosus</i> Desf.	14	....	25 km N. Neale Junction	GK 562
RANUNCULACEAE				
<i>Ranunculus colonorum</i> Endl.	8	....	Mt. Chudalup	GK 683
BRASSICACEAE				
<i>Lepidium linifolium</i> (Desf.) Benth.	16	....	Quobba	Demarz 3871
<i>Stenopetalum filifolium</i> Benth. ....	....	10	10 km S. Waialki	GK 380
<i>S. filifolium</i> Benth. ....	....	10	32 km S. Yellowdine	GK 393
PITTOSPORACEAE				
<i>Billardiera floribunda</i> (Putterl.) F. Muell.	12	....	Augusta	GK 1569
<i>Cheiranthra filifolia</i> Turcz.	12	....	28 km W. Ravensthorpe	GK 665
var. <i>brevifolia</i> Bennett				
FABACEAE				
<i>Bossiaea preissii</i> Meisn.	9	....	2 km W. Israelite Bay	GK 219
<i>Burtonia conferta</i> DC.	9	....	115 km N. of Perth	GK 364
<i>B. viscida</i> E. Pritzel	9	....	8 km N. Southern Cross	GK 9
<i>Daviesia croniniana</i> F. Muell.	9	....	20 km S.W. Marvel Loch	GK 22
<i>D. epiphylla</i> Meisn.	9	....	Strathmore Road to Cervantes	GK 1793
<i>D. hakeoides</i> Meisn.	9	....	50 km S. Nannup on Brockman Hwy	GK 353
<i>D. polyphylla</i> Benth. ex Lindl.	9	....	31 km N. Perth on Toodyay to Calin- giri Rd	GK 108
<i>D. preissii</i> Meisn.	9	....	10 km S. Stuart Rd Brockman Hwy	GK 353
<i>D. striata</i> Turcz.	9	....	3 km N. Regans Ford	GK 288
<i>D. striata</i> Turcz.	9	....	16 km along Cadda from Nair Road	GK 1983
<i>Crotalaria cunninghamii</i> R. Br.	8	....	Karratha	GK 2362
<i>Gompholobium aristatum</i> Benth.	9	....	131 km N. Perth	GK 355
<i>G. ovatum</i> Meisn.	9	....	10 km S. Stuart Road on Brockman Highway	GK 352
<i>G. sp.</i>	9	....	Walyunga	GK 200
<i>Isotropis cuneifolia</i> (Sm.) Benth. ex B. D. Jackson	18	....	St. Columba College	GK 1819
<i>Jacksonia alata</i> Benth.	9	....	7 km W. Toodyay	GK 1053
<i>J. furcellata</i> (Bonpl.) DC.	9	....	7 km N. Howatharra	GK 184
<i>J. horrida</i> DC.	9	....	Windy Harbour	GK 991
<i>J. namatoclada</i> F. Muell.	9	....	Charles Gairdner Reserve	GK 325
<i>J. restioides</i> Meisn.	9	....	7 km W. Toodyay	GK 1052
<i>J. restioides</i> Meisn.	9	....	7 km E. Mawson	GK 294
<i>J. umbellata</i> Turcz.	9	....	2 km S. Mt. Ragged	GK 437
<i>J. sp. 1</i>	9	....	Munglinup	GK 620
<i>J. sp. 2</i>	9	....	Tarin Rock Siding	GK 368
<i>Kennedia carinata</i> (Benth.) Domin	11	....	50 km W. Condinup	GK 222
<i>K. glabrata</i> (Benth.) Lindl.	11	....	Cult—ex Mt. Chudalup	GK sn
<i>K. macrophylla</i> Meisn.	11	....	Cape Leeuwin	GK 1887
<i>K. stirlingii</i> Lindl.	11	....	Bindoon Hill	GK 101
<i>Mirbelia dilatata</i> R. Br.	8	....	South Ironcap	GK 887
<i>Oxylobium lanceolatum</i> (Vent.) Druce	8	....	2 km W. Two People's Bay	GK 1390
<i>O. parviflorum</i> Benth.	8	....	Sandalwood Rd, S.E. Stirling Ranges	GK 356
<i>Pultenaea adunca</i> Turcz.	7	....	47 km S. Ravensthorpe	GK 633
<i>P. capitata</i> (Turcz.) Druce	7	....	7 km S. Winchester	GK 1057
<i>Swainsona</i> sp.	16	....	Gnarlbine Rock	GK 500
GERANIACEAE				
<i>Pelargonium australe</i> Willd.	11	....	Mt. Madden	GK 1938
<i>P. littorale</i> Hueg.	11	....	Lort River	GK 1389
ZYGOPHYLLACEAE				
<i>Zygophyllum fruticosum</i> DC.	8	....	Red Bluff	GK 1792
RUTACEAE				
<i>Diplolaena ferruginea</i> P. G. Wils.	14	....	Cockleshell Gully	GK 202
<i>D. microcephala</i> Bartl.	14	....	Forrest Beach, Capel	GK 32
BORAGINACEAE				
<i>Halgania lavandulacea</i> Endl.	16	....	Twilight Cove	GK 238
CHLOANTHACEAE				
<i>Pityrodia terminalis</i> (Endl.) A. S. George	14	....	16 km E. Mt. Hampton	GK 37
BRUNONIAEAE				
<i>Brunonia australis</i> R. Br.	9	....	Comet Vale	GK 337